

Figure 1A

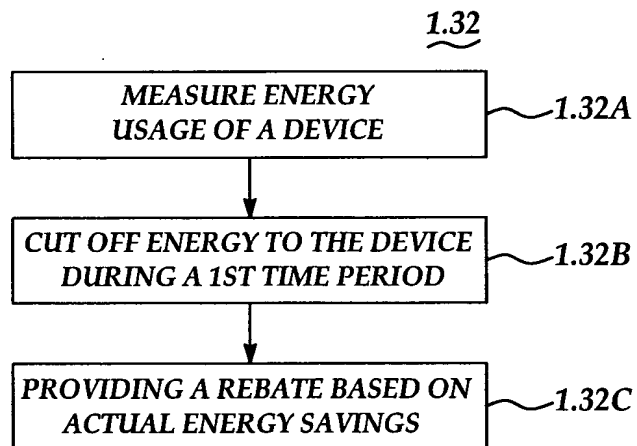
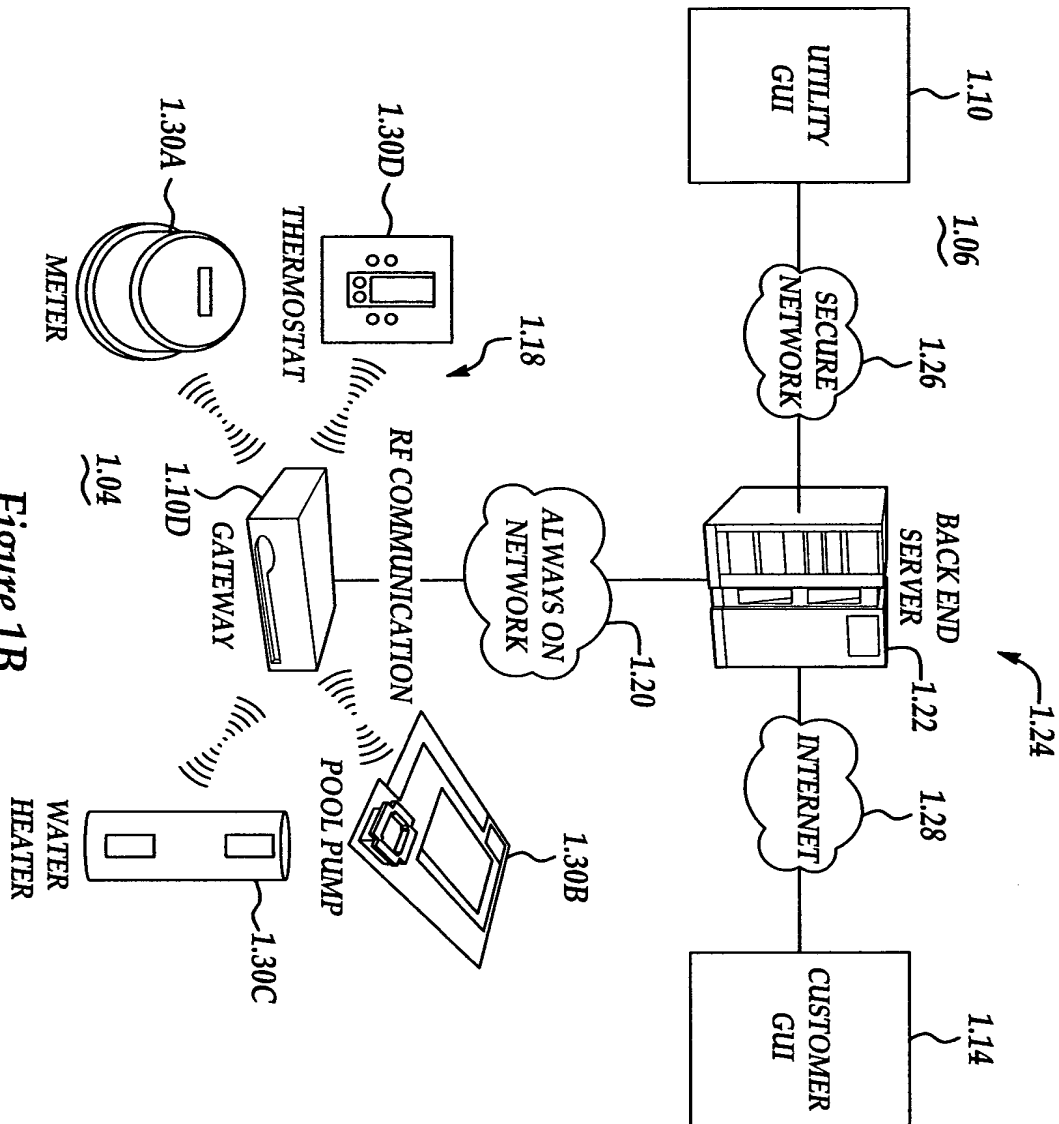


Figure 1C

2/18



**Figure 1B**

3/18

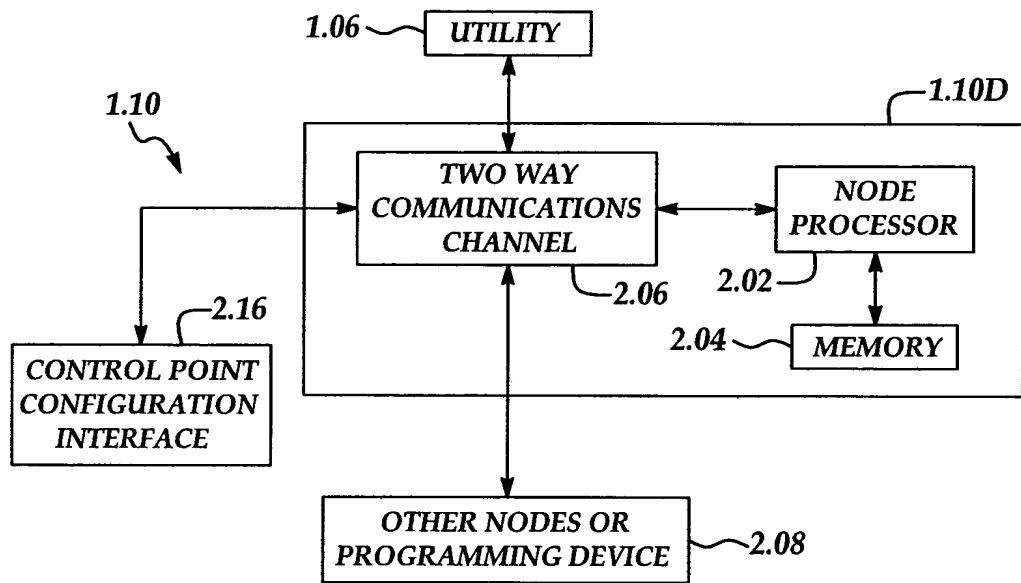


Figure 2A

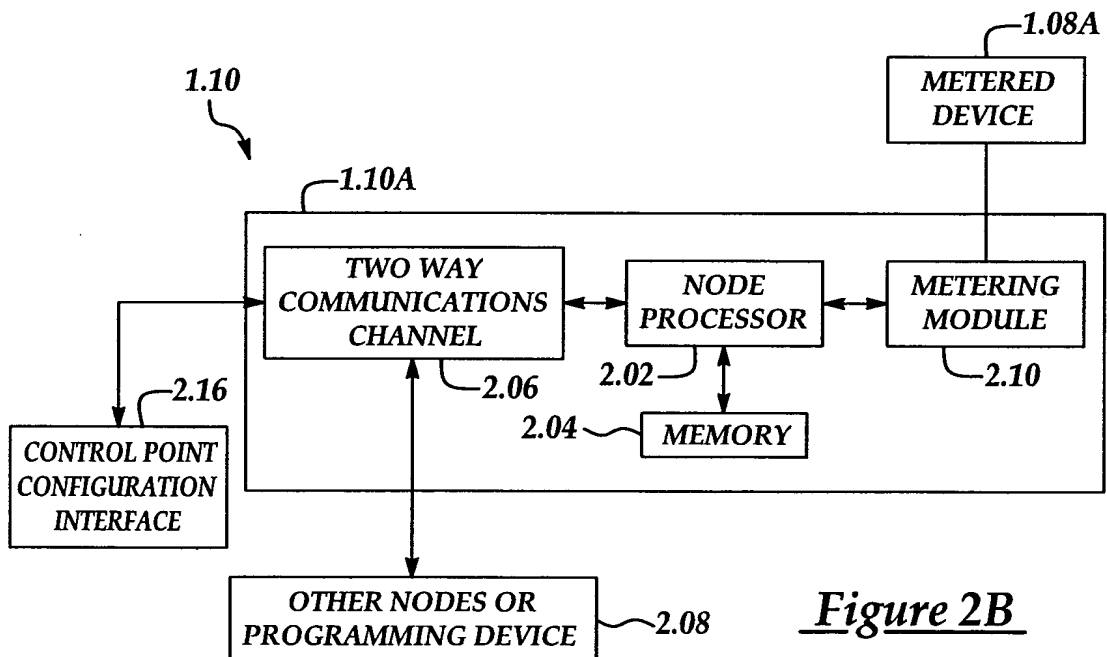


Figure 2B

4/18

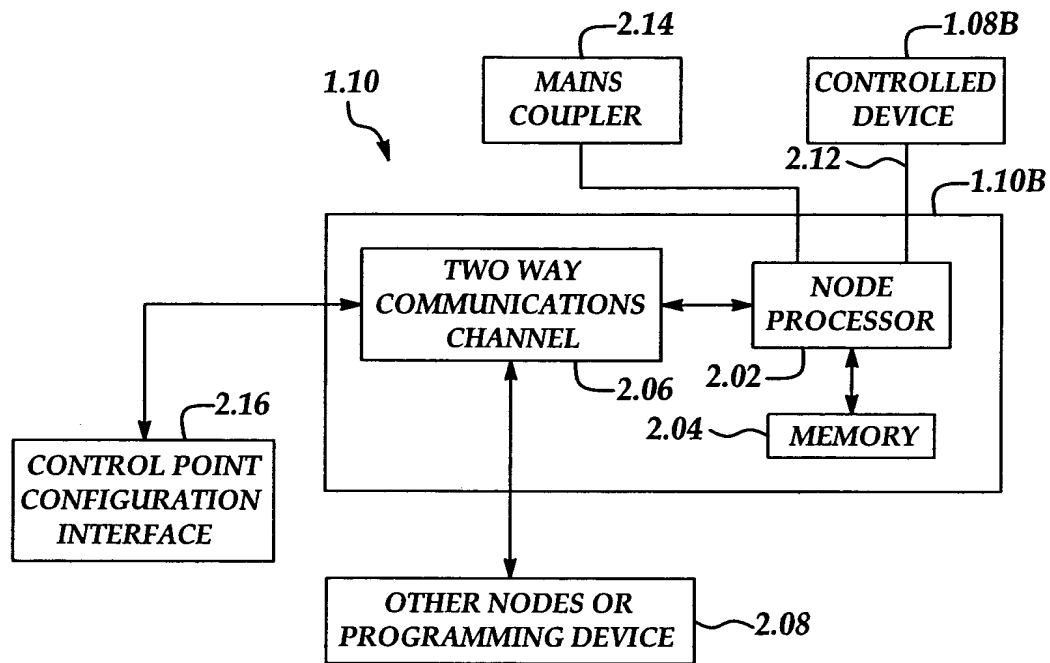


Figure 2C

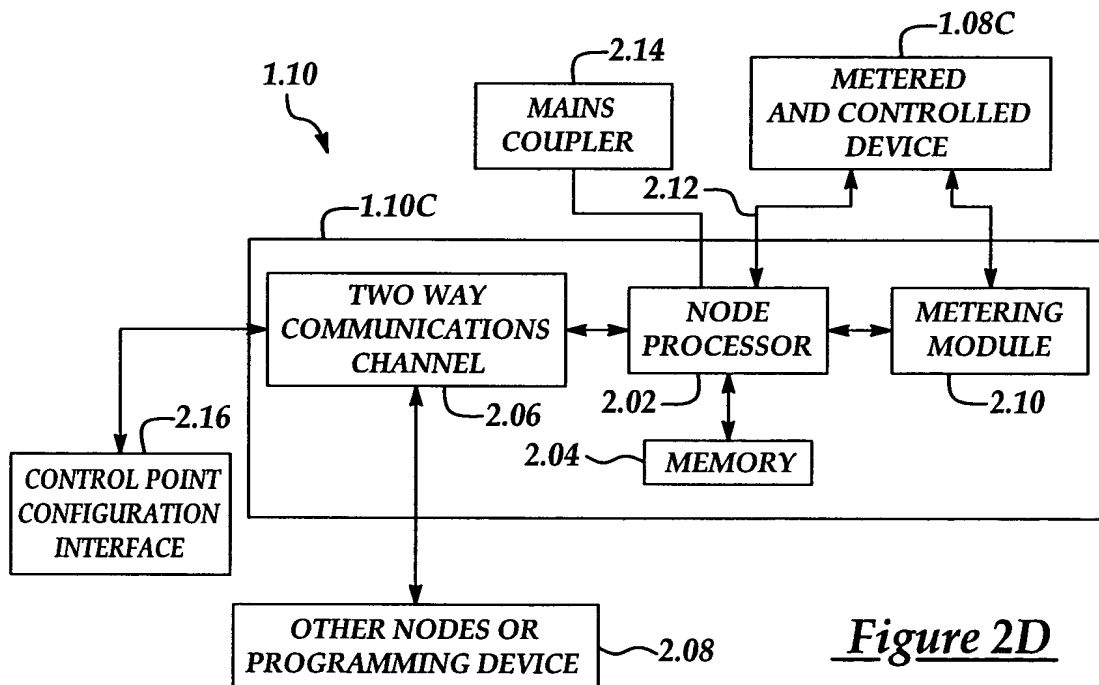


Figure 2D

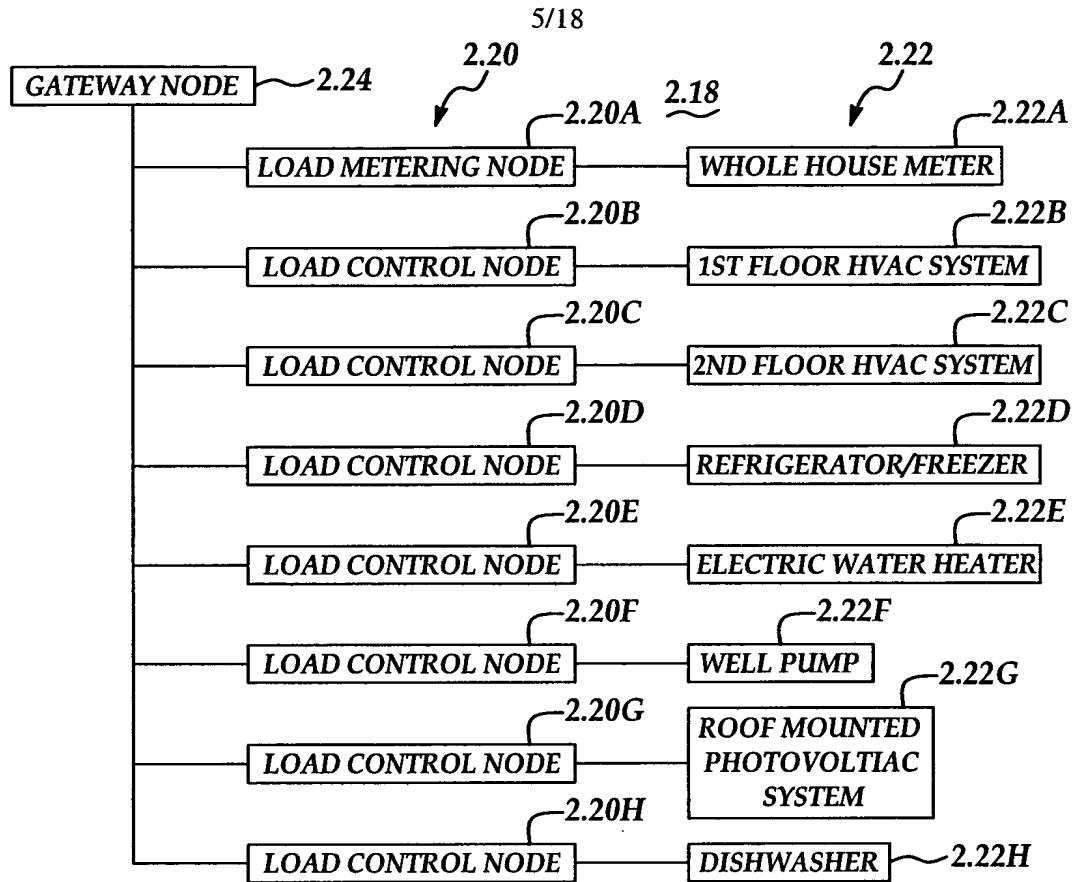


Figure 2E

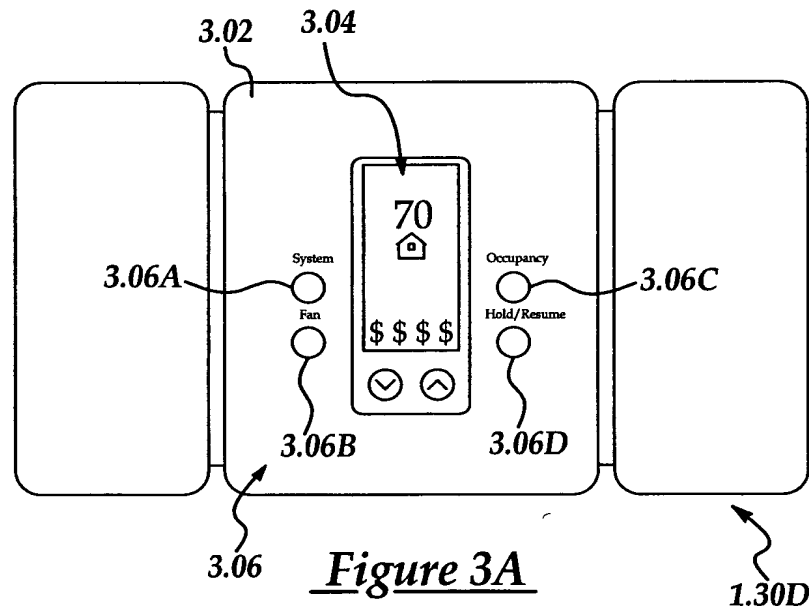


Figure 3A

6/18

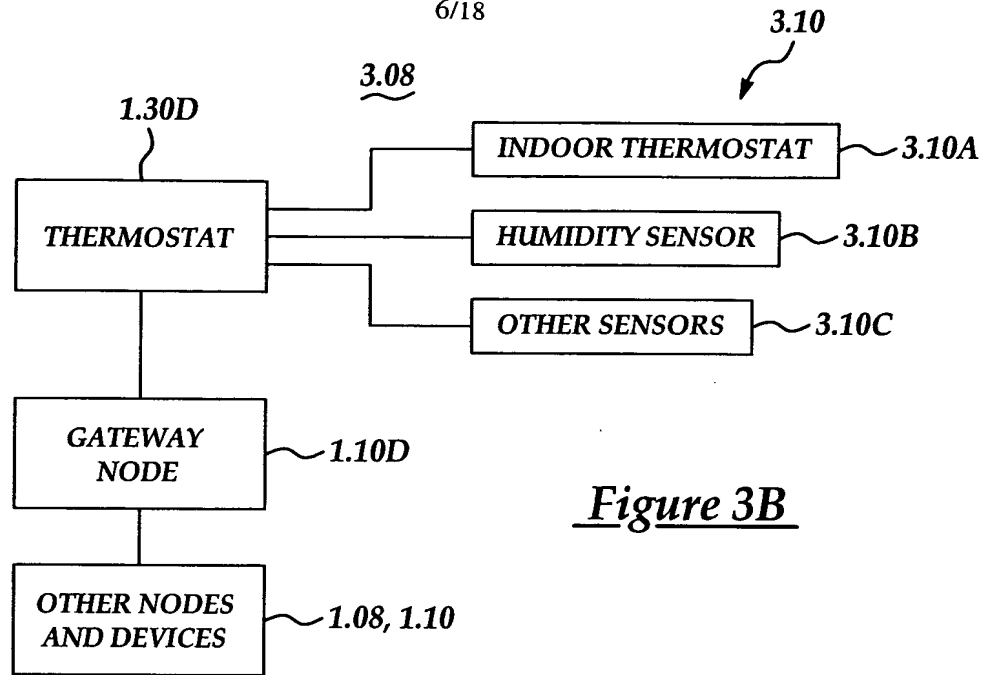


Figure 3B

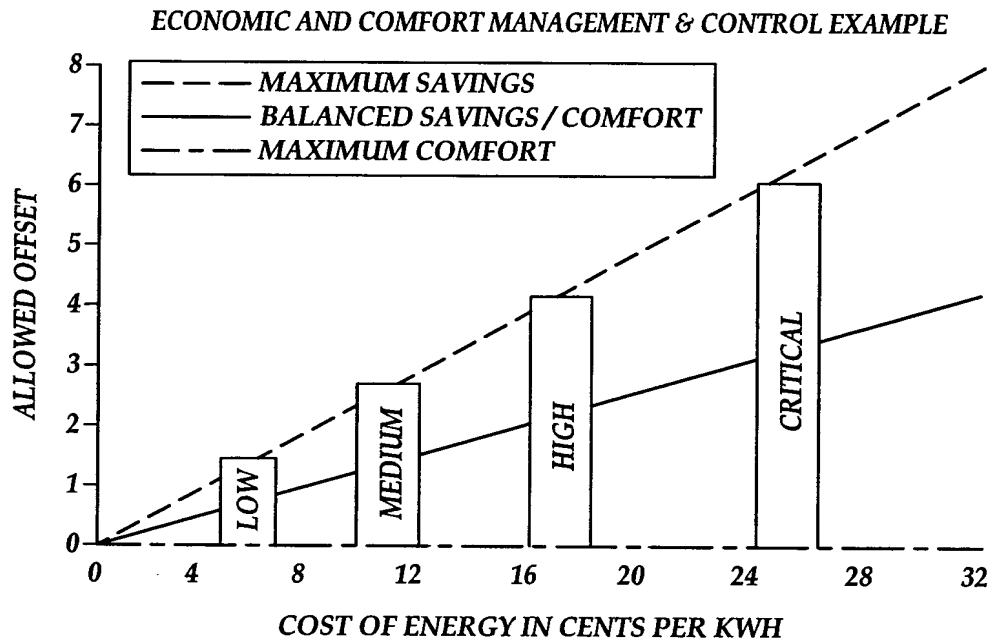


Figure 3C

7/18

ECONOMIC AND COMFORT MANAGEMENT & CONTROL EXAMPLE

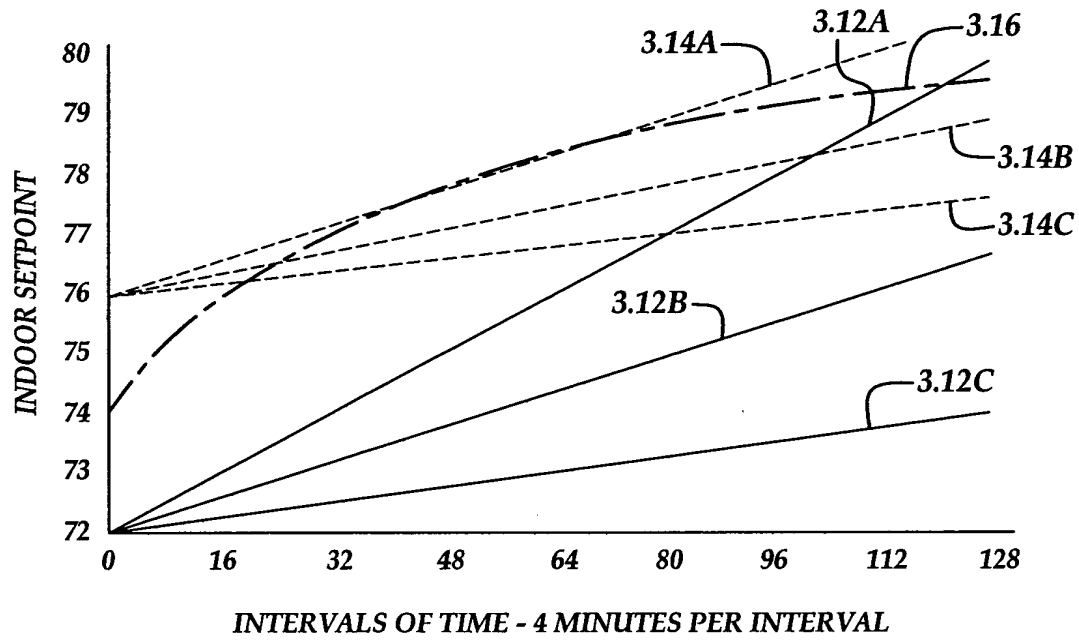


Figure 3D

ECONOMIC AND COMFORT MANAGEMENT & CONTROL EXAMPLE

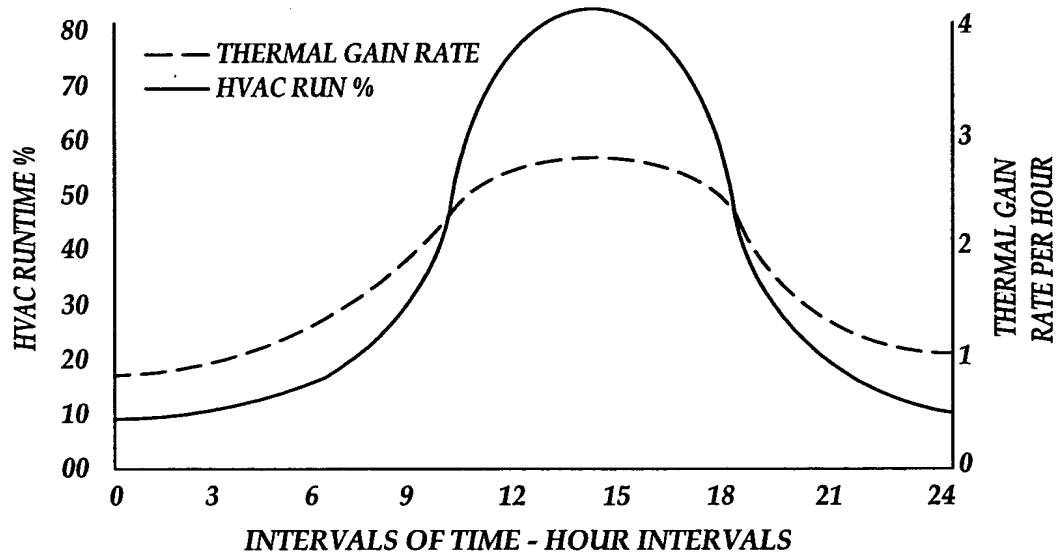


Figure 3E

ECONOMIC AND COMFORT MANAGEMENT & CONTROL EXAMPLE

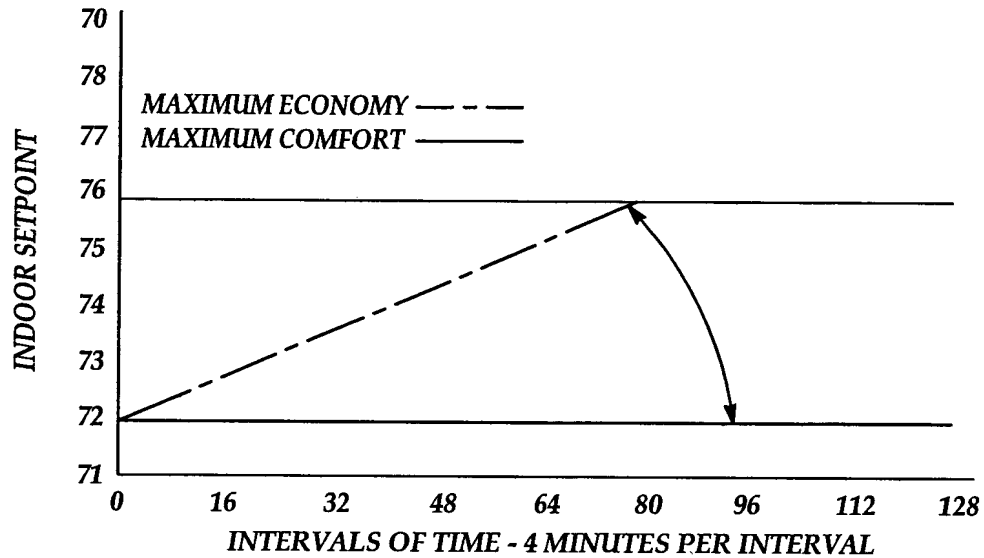


Figure 3F

ECONOMIC AND COMFORT MANAGEMENT & CONTROL EXAMPLE

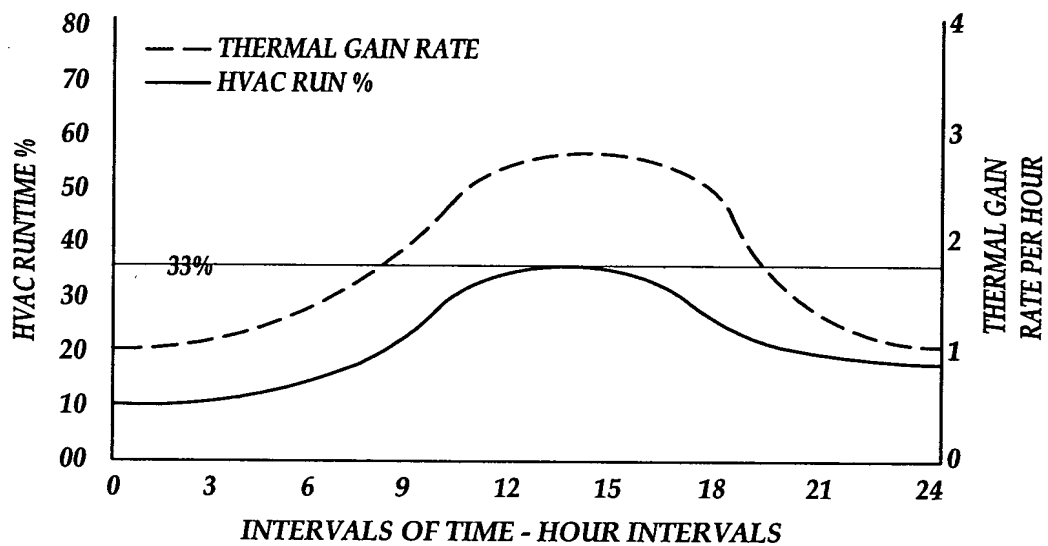


Figure 3G



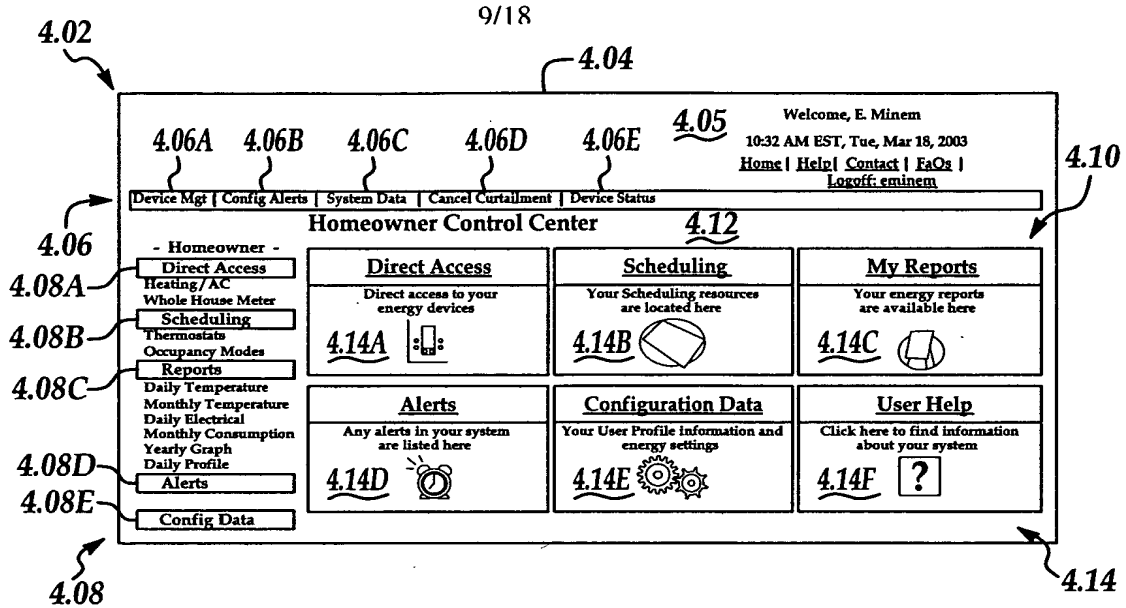


Figure 4A

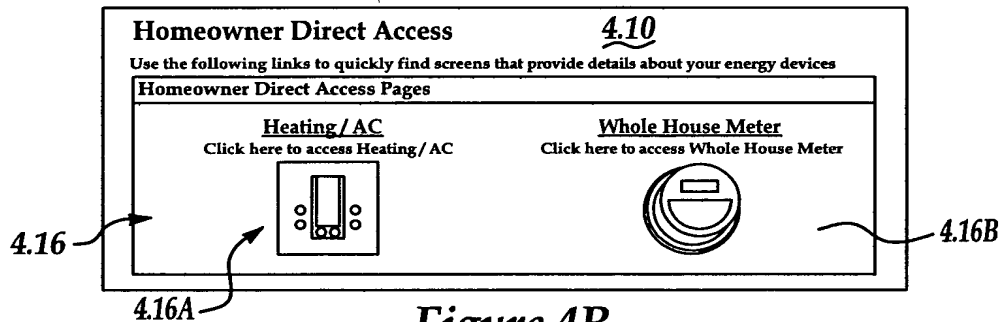


Figure 4B

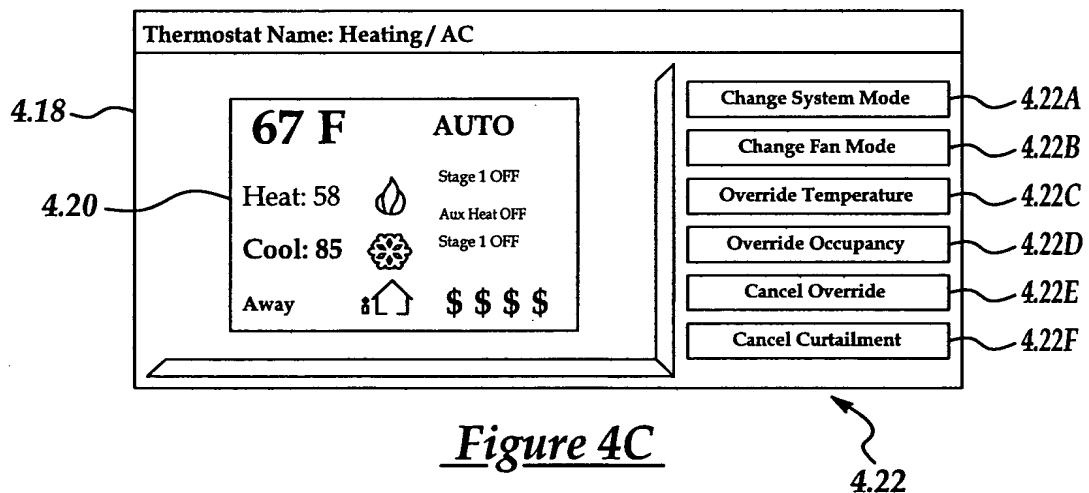


Figure 4C

10/18

4.24

4.10

**Occupancy Modes**

Home Away Sleep Vacant User1 User2 User3 User4 2.26

When my home is in Home Mode ☒ Active

Use the following settings for the areas controlled by the Heating/AC thermostat

Cooling setpoint: 80 °F use: Economical Comfo Economy Profile 4.32

Heating setpoint: 68 °F ☒ My home is normally OCCUPIED during Home mode

Defaults Apply 4.28 4.30

Figure 4D

**Occupancy Modes**

Home Away Sleep Vacant User1 User2 User3 User4 2.26

When my home is in Home Mode ☐ Active

Use the following settings for the areas controlled by the Heating/AC thermostat

Cooling setpoint: 85 °F use: Economical Comfo Economy Profile 4.32

Heating setpoint: 58 °F ☐ My home is normally OCCUPIED during Away mode

Defaults Apply 4.28 4.30

Figure 4E

**Occupancy Modes**

Home Away Sleep Vacant User1 User2 User3 User4 2.26

When my home is in Home Mode ☐ Active

Use the following settings for the areas controlled by the Heating/AC thermostat

Cooling setpoint: 90 °F use: Economical Comfo Economy Profile 4.32

Heating setpoint: 45 °F ☐ My home is normally OCCUPIED during Vacant mode

☐ Maximum Comfort ☐ Balanced Comfort ☐ Economical Comfort Apply

Figure 4F

11/18 **4.10**

**Thermostat Scheduling**

4.36 <<Prev March Next>> March 2003

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						1 Weekend
2 Weekend	3 Weekday	4 Weekday	5 Weekday	6 Weekday	7 Weekday	8 Weekend
9 Weekend	10 Weekday	11 Weekday	12 Weekday	13 Weekday	14 Weekday	15 Weekend
16 Weekend	17 Weekday	18 Weekday	19 Weekday	20 Weekday	21 Weekday	22 Weekend
23 Weekend	24 Weekday	25 Weekday	26 Weekday	27 Weekday	28 Weekday	29 Weekend
30 Weekend	31 Weekday					

4.34

**Figure 4G**

**Thermostat Scheduling** 4.38 **4.10**

Select Thermostat: Heating/AC Select Day Type: Weekday

Start>> Start at midnight in: Sleep mode Click to show instructions 4.40

Then at 04:30am switch to User1 mode

Then at 05:00am switch to User2 mode

Then at 05:30am switch to Home mode

Then at 07:30am switch to Away mode

Then at 04:00pm switch to User2 mode

Then at 05:30pm switch to Home mode

Then at 10:00pm switch to Sleep mode

4.36

4.42 Apply to 3/18/2003 4.44 Apply to all Weekdays 4.46 Back to Calendar...

**Figure 4H**

Weekday

New Day Type

Weekday

Weekend

Holiday

8/13/2002

2/18/2003

4.40

**Figure 4I**

12 / 18

**Configure Alert**

Alerts

User Name: E. Minem  
Primary email: eminem@aol.com

AccountID: 555  
Phone#: 5555555555

Alert Description	Destination	Channel		Configurable	Priority	Single/Aggregate
		Primary email	Web Page			
Temperature out of Range	Home Occupant	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	1	Single
Temperature out of Range	Service Provider	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1	Single
Gateway Not Responding	Service Provider	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1	Single
Temperature out of Range	Energy Provider	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1	Single
Gateway Not Responding	Energy Provider	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1	Single
Budget Limit Alarm	Home Occupant	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	Single
Device is Malfunctioning	Home Occupant	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	Single
Communication Failure	Home Occupant	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3	Single
Ramping Recovery Failure	Home Occupant	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12	Single
Duplicate IP address	Service Provider	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12	Single
Temperature out of Range	Energy Provider	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12	Single

Note: You may add the secondary email as another channel by updating personal data, [Click here](#) to update account personal data

Submit Reset

**Figure 4J**

**Reports**

Temperature Reports	Electricity Usage	Cost & Consumption
<p><u>Daily Temperature</u></p> <p>4.68A</p> <p><u>Monthly Temperature</u></p> <p>4.68B</p>	<p><u>Daily Electrical</u></p> <p>4.68C</p>	<p><u>Yearly Graph</u></p> <p>4.68D</p> <p><u>Monthly Consumption</u></p> <p>4.68E</p> <p><u>Daily Profile</u></p> <p>4.68F</p>

4.68

**Figure 4K**

13/18

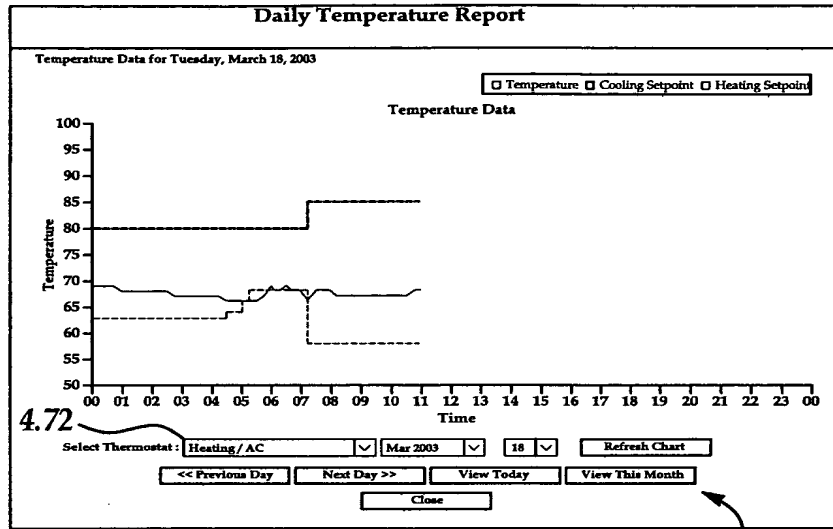


Figure 4L

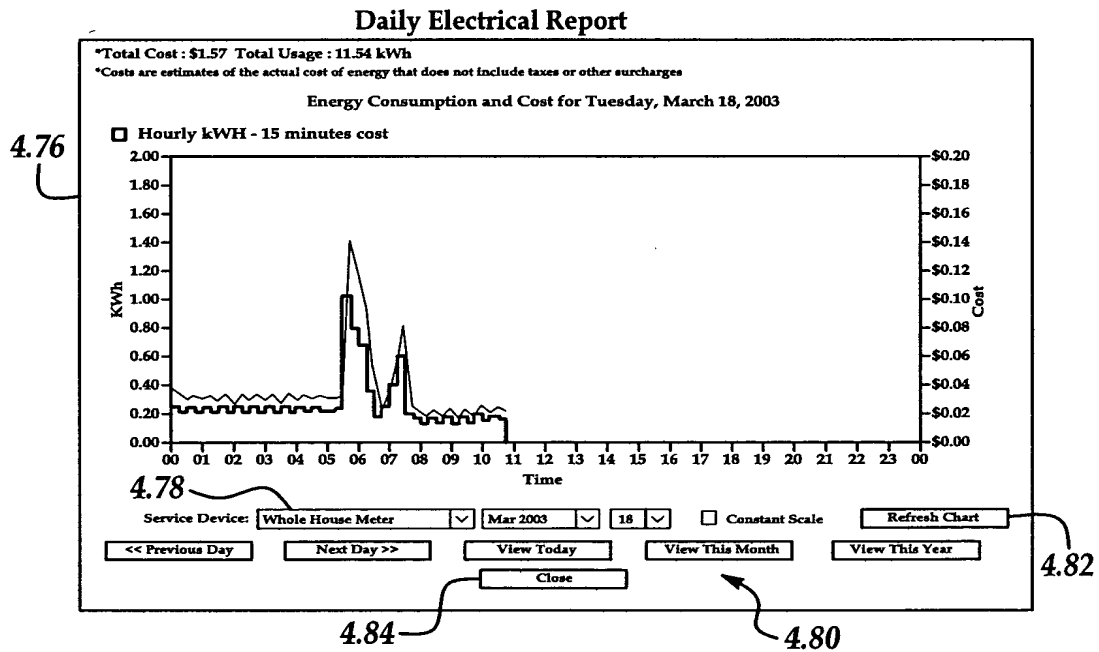


Figure 4M

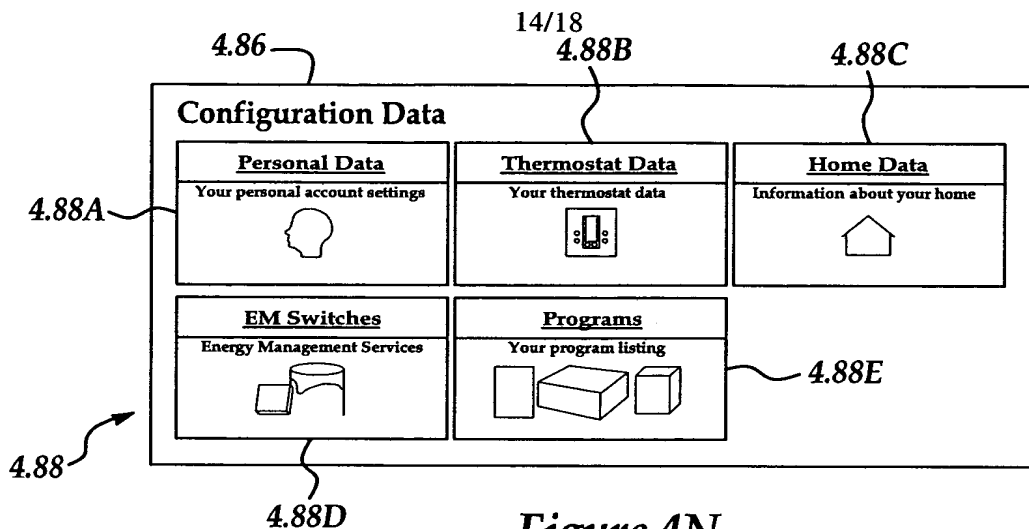


Figure 4N

**Thermostat Data**

\*Thermostat Name: Heating / AC ☒ Thermostat Active

**Heating**  
Type: Electric w/ Electric Emergenc ✓  
Stages: 1 2  
☒ Emergency Heating

**Cooling**  
Type: Electric Heat Pump ✓  
Stages: 1 2

Additional controls: ☐ Humidifier ☐ Dehumidifier

\*Safety Limits: 95 High 50 Low°F      \*Alert Limits: 90 High 45 Low°F  
\*Heat Limits: 75 High 45 Low°F      \*Cool Limits: 90 High 65 Low°F

Default Limits for Thermostat

Thermostat Summary   Apply   Reset

\* = required

Figure 4O

4.92

Electric: w/ Electric Emergenc ✓
Electric: w/ Electric Emergency
Electric: w/ Gas Emergency
Electric: w/ Oil Emergency
Electric Baseboard
Propane
Oil
Steam
Hot Water

4.94

Electric Heat Pump
Electric Heat Pump
Electric Standard Central Air
Natural Gas
Evaporative

Figure 4Q

Figure 4P

15/18

## Program Participation

4.96

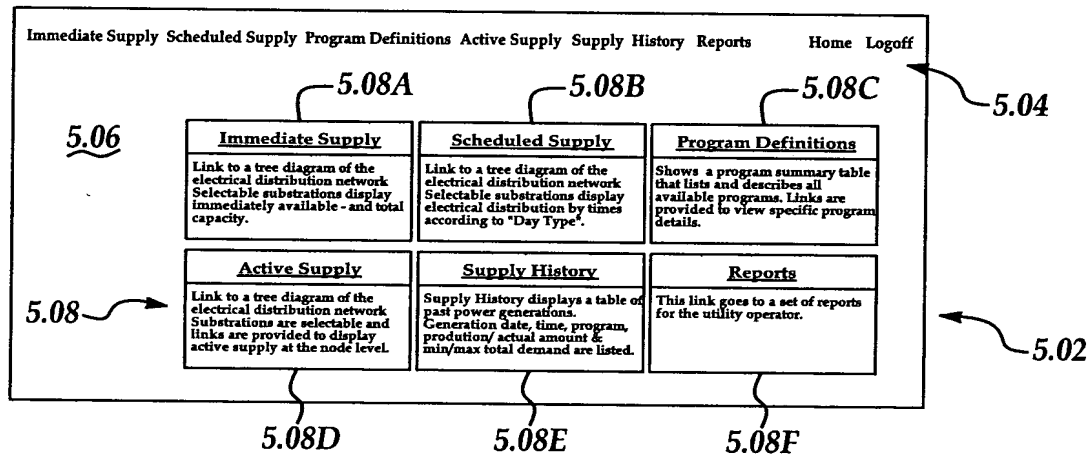
**Program Listing**

Participate	Product Name	Supply Type	Effective Dates From To	Effective Daily From To
<input checked="" type="checkbox"/>	Emergency AC Curtailment	On Demand	01/01 - 12/31	12:00am - 11:59pm
<input checked="" type="checkbox"/>	A Group	On Demand	01/01 - 12/31	12:00am - 11:59pm
<input type="checkbox"/>	B Group	On Demand	01/01 - 12/31	12:00am - 11:59pm
<input type="checkbox"/>	Emergency HVAC Curtailment	On Demand	01/01 - 12/31	12:00am - 11:59pm
<input type="checkbox"/>	Emergency Hot Tub/Spa Curtailment	On Demand	01/01 - 12/31	12:00am - 11:59pm
<input type="checkbox"/>	Emergency Pool Pump Curtailment	On Demand	01/01 - 12/31	12:00am - 11:59pm
<input type="checkbox"/>	Emergency Shut Off	On Demand	01/01 - 12/31	12:00am - 11:59pm
<input type="checkbox"/>	Emergency Water Heater Curtailment	On Demand	01/01 - 12/31	12:00am - 11:59pm
<input type="checkbox"/>	AfternoonPeaker	Scheduled	04/01 - 10/01	12:00am - 6:00pm
<input type="checkbox"/>	MorningPeaker	Scheduled	01/01 - 12/31	6:00am - 12:00pm

4.100 4.98

Apply

**Figure 4R**



**Figure 5A**

16/18

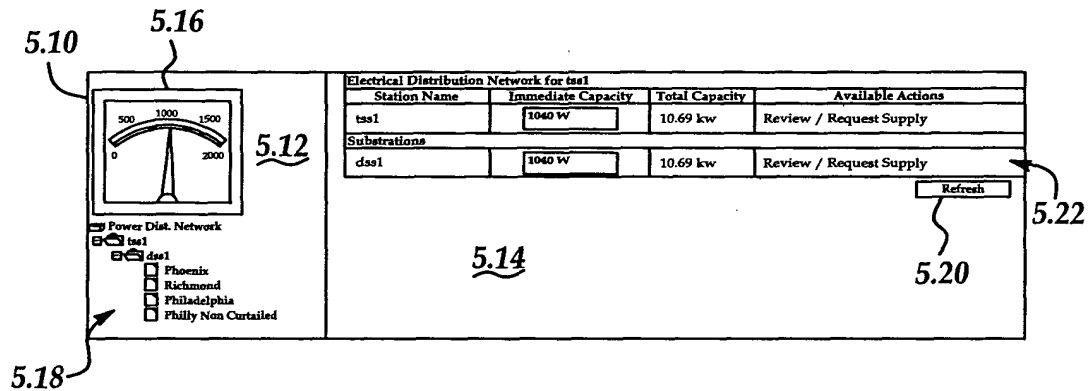


Figure 5B

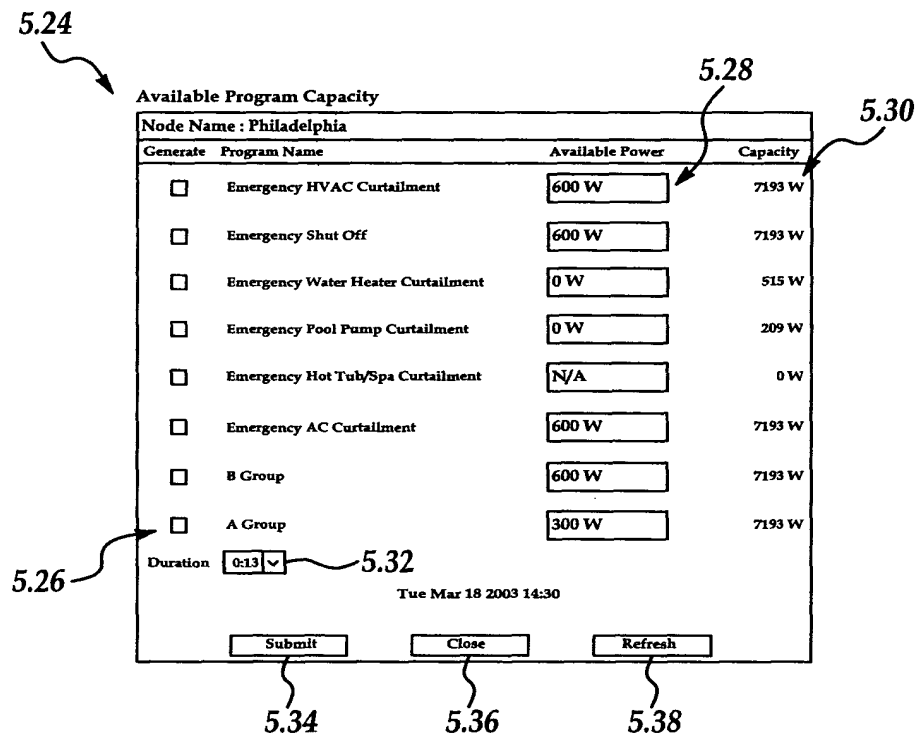


Figure 5C



17/18

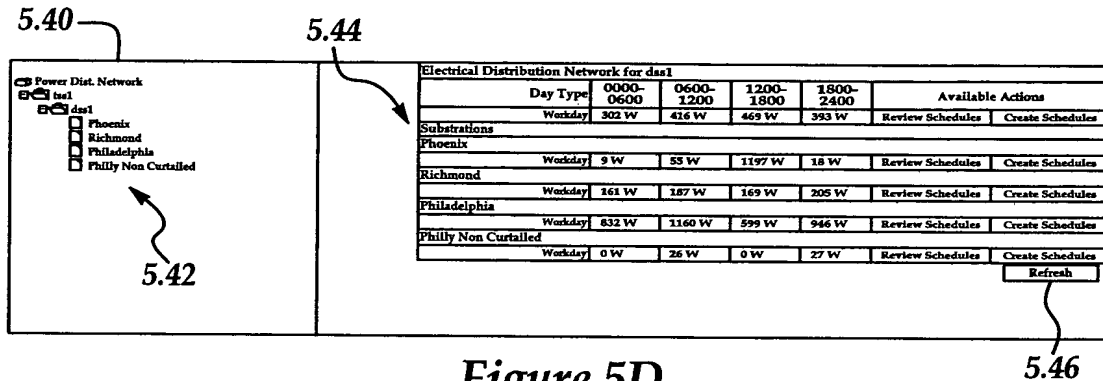


Figure 5D

5.48

Find Eligible Programs

Find Eligible Programs for: Phoenix

Date: Month:  Day:  Year:

Time: From To

Hours:  Minutes:  Hours:  Minutes:

Desired Supply:  W  Schedule Name:

Submit Reset Close

Figure 5E

5.50

Program Summary

Click on program name to edit

Program Name	Description
Immediate Supply	
A Group	HVAC Optional and Overrideable
B Group	HVAC Optional and Overrideable
Emergency AC Curtailment	Curtailment of AC systems - Not Overrideable or optional
Emergency HVAC Curtailment	Thermostats Curtailment program - Overrideable and Optional
Emergency Hot Tub/Spa Curtailment	Hot Tub/Spa Curtailment Program
Emergency Pool Pump Curtailment	Pool Pump Curtailment Program
Emergency Shut Off	Emergency program will supply from all devices
Emergency Water Heater Curtailment	Water Heater Curtailment Program
Scheduled Supply	
AfternoonPeaker	This program curtails WaterHeater, PoolPumps and HVAC between 12PM to 4PM
MorningPeaker	Shutoff WaterHeaters and Pool pumps between 6AM and 12 PM
New	

5.52

5.54

Figure 5F

18/18

Program Definitions

Program Name:  5.58

Description:  5.60

Supply Type: ☒ On Demand ☐ Scheduled 5.62

Available Time: From: HH  MM  To: HH  MM  5.56

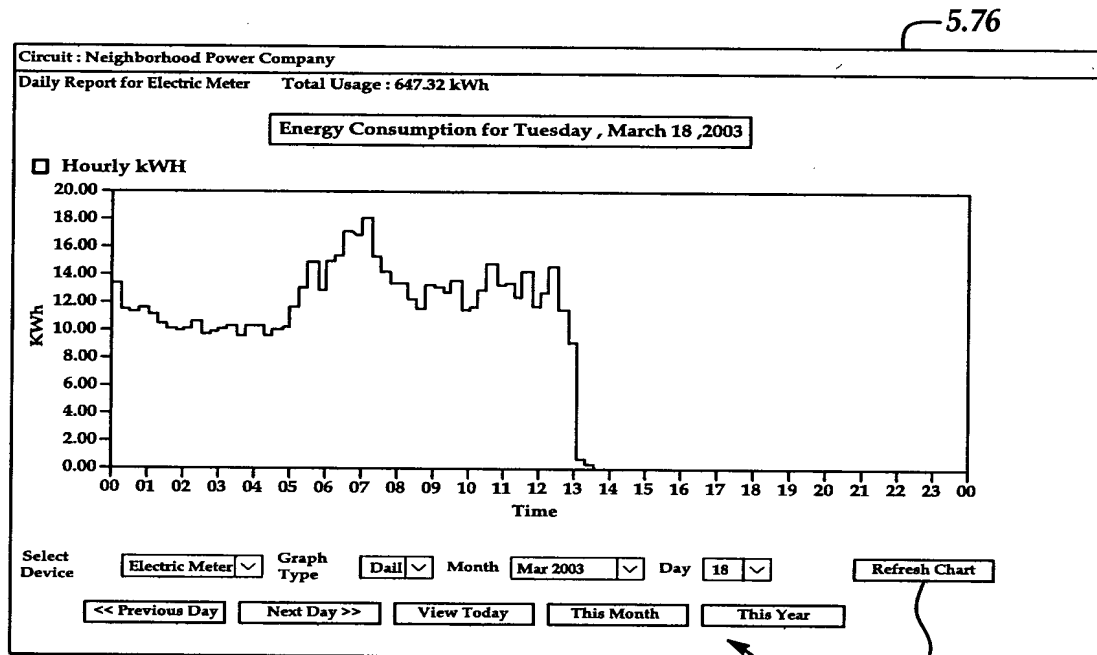
Available Dates: From: MM  DD  To: MM  DD  5.64

☐ Optional ☐ Overrideable 5.66

Device Types To Include: ☐ HVAC/STAT ☐ Water Heater ☐ Pool Pump ☐ Hot Tub/Spa 5.68

5.70  5.72  5.74

**Figure 5G**



**Figure 5H**

Electric Meter	▼
Thermostat	
Electric Meter	
Water Heater	
<b>Pool Pump</b>	
Hot Tub/Spa	

**Figure 5I**